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SPECIFICATION FOR APPROVAL

CUSTOMER	TRG_Ouman
CERTIFIED MODEL/TYPE	DHT-303
PART NO.	DHT0B303J3952SY (RoHS)
APPLICATION	
CUSTOMER P/N	
ISSUE DATE	Mar.18.2015
REV. NO.	
REV. DATE	

FOR CUSTOMER APPROVAL	CHECKED BY
	<i>Jing Feng</i>
	APPROVED BY
	<i>Huairfang Zhang</i>





REVISED RECORD SHEET

REV. NO	REV. DATE	REVISED CONTENT



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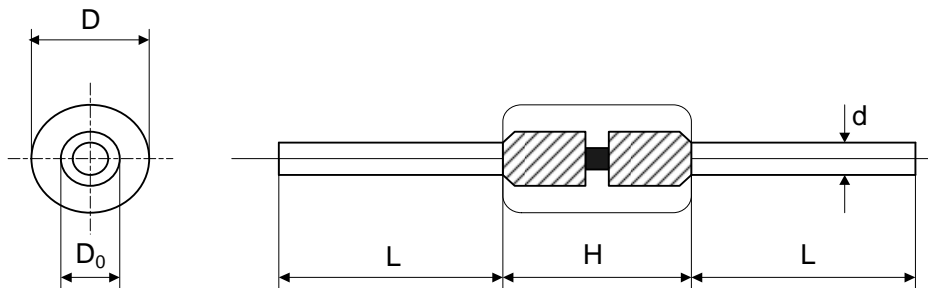
Part Number Code

Example :

DHT **0** **B** **303** **J** **395** **2** **S** **Y**
(1) **(2)** **(3)** **(4)** **(5)** **(6)** **(7)** **(8)** **(9)**

No.	Item	Digit	Specification
(1)	Product Type	DHT	Thinking NTC thermistor DHT type
(2)	Body Size	0	φ 2 mm x L4 mm (max.)
(3)	Definition of B Value	B	B _{25/50}
(4)	Zero Power Resistance at 25°C	303	30x 10 ³ Ω =30 KΩ
(5)	Tolerance of R25	J	±5%
(6)	B Value	395	3950K
(7)	Tolerance of B Value	2	±2%
(8)	Appearance	S	Sn-plated CP wire
(9)	Optional Suffix	Y	RoHS compliance

Structure and Dimensions



(unit:mm)

D max.	H max.	d	L	D0
2	4	0.5±0.02	28± 1	0.7 ~0.9

Electrical Characteristics

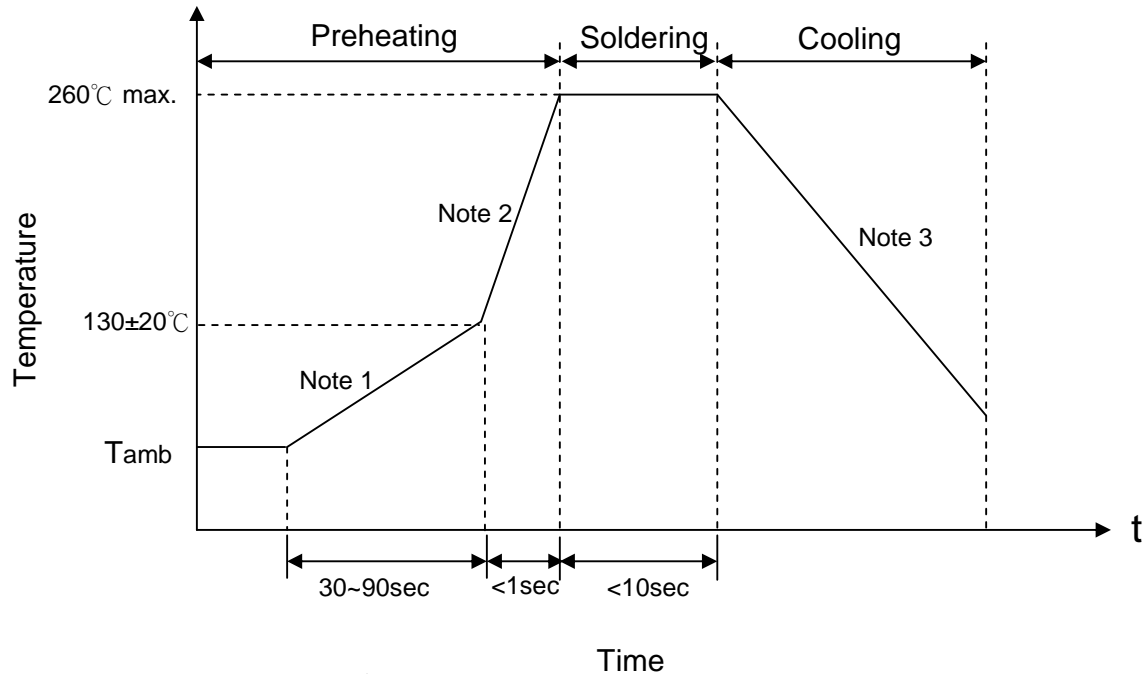
Part No.	Zero Power Resistance at 25°C	Tolerance of R _{25°C}	B _{25/50} Value	Tolerance of B Value	Max. Power Dissipation at 25°C	Dissipation Factor	Thermal Time Constant	Operating Temperature Range
	R _{25°C} (KΩ)	(± %)	(K)	(± %)	P _{max} (mW)	δ(mW/°C)	τ (sec.)	T _L ~T _U (°C)
DHT0B303J3952SY	30	5	3950	2	120	≥2	≤10	-40 ~+200

Reliability

Item	Standard	Test conditions / Methods	Specifications															
Tensile Strength of Terminals	IEC60068-2-21	<p>Gradually applying the force specified and keeping the unit fixed for 10±1 sec.</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;">Terminal diameter (mm)</td> <td style="text-align: center; width: 50%;">Force (Kg)</td> </tr> <tr> <td style="text-align: center;">$\frac{\quad}{0.3 < d \leq 0.5}$</td> <td style="text-align: center;">$\frac{\quad}{0.5}$</td> </tr> </table>	Terminal diameter (mm)	Force (Kg)	$\frac{\quad}{0.3 < d \leq 0.5}$	$\frac{\quad}{0.5}$	No visible damage											
Terminal diameter (mm)	Force (Kg)																	
$\frac{\quad}{0.3 < d \leq 0.5}$	$\frac{\quad}{0.5}$																	
Bending Strength of Terminals	IEC60068-2-21	<p>Hold specimen and apply the force specified below to each lead. Bend the specimen to 90°, then return to the original position. Repeat the procedure in the opposite direction.</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;">Terminal diameter (mm)</td> <td style="text-align: center; width: 50%;">Force (Kg)</td> </tr> <tr> <td style="text-align: center;">$\frac{\quad}{0.3 < d \leq 0.5}$</td> <td style="text-align: center;">$\frac{\quad}{0.25}$</td> </tr> </table>	Terminal diameter (mm)	Force (Kg)	$\frac{\quad}{0.3 < d \leq 0.5}$	$\frac{\quad}{0.25}$	No visible damage											
Terminal diameter (mm)	Force (Kg)																	
$\frac{\quad}{0.3 < d \leq 0.5}$	$\frac{\quad}{0.25}$																	
Solderability	IEC60068-2-20	245 ± 3 °C , 3 ± 0.3 sec	At least 95% of terminal electrode is covered by new solder															
Resistance to Soldering Heat	IEC60068-2-20	260 ± 3 °C , 10 ± 1 sec	No visible damage $\Delta R_{25}/R_{25}$ ≤ 3 %															
High Temperature Storage	IEC60068-2-2	200 ± 5 °C , 1000 ± 24 hrs	No visible damage $\Delta R_{25}/R_{25}$ ≤ 5 %															
Damp Heat , Steady State	IEC 60068-2-78	40 ± 2 °C , 90 ~ 95 % RH , 1000 ± 24 hrs	No visible damage $\Delta R_{25}/R_{25}$ ≤ 3 %															
Rapid Change of Temperature	IEC60068-2-14	<p>The conditions shown below shall be repeated 5 cycles</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Step</th> <th>Temperature (°C)</th> <th>Period (minutes)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">-40 ± 5</td> <td style="text-align: center;">30 ± 3</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">Room temperature</td> <td style="text-align: center;">5 ± 3</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">200 ± 5</td> <td style="text-align: center;">30 ± 3</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">Room temperature</td> <td style="text-align: center;">5 ± 3</td> </tr> </tbody> </table>	Step	Temperature (°C)	Period (minutes)	1	-40 ± 5	30 ± 3	2	Room temperature	5 ± 3	3	200 ± 5	30 ± 3	4	Room temperature	5 ± 3	No visible damage $\Delta R_{25}/R_{25}$ ≤ 3 %
Step	Temperature (°C)	Period (minutes)																
1	-40 ± 5	30 ± 3																
2	Room temperature	5 ± 3																
3	200 ± 5	30 ± 3																
4	Room temperature	5 ± 3																
Max. Power Dissipation	IEC60539-1 4.26.3	25 ± 5 °C , Pmax. , 1000 ± 24 hrs	No visible damage $\Delta R_{25}/R_{25}$ ≤ 5 %															

Soldering Recommendation

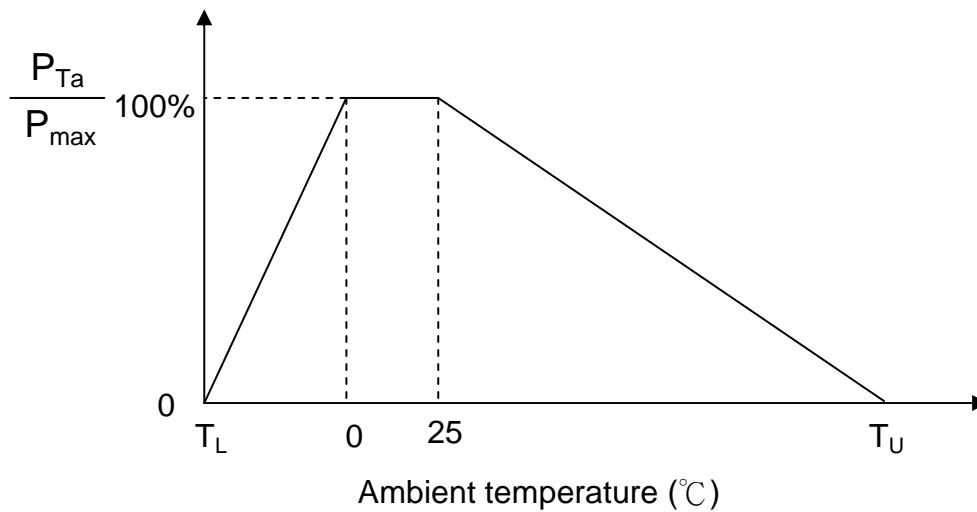
■ Wave Soldering Profile



Note 1 : (1~3)°C/sec
 Note 2 : Approx. 200°C/sec
 Note 3 : 5°C/sec Max

■ Recommended Reworking Conditions with Soldering Iron

Item	Conditions
Temperature of Soldering Iron-tip	360°C (max.)
Soldering Time	3 sec (max.)
Distance from Thermistor	2 mm (min.)

Max. Power Dissipation Derating Curve

Note: T_L = Minimum operating temperature(°C)

T_U = Maximum operating temperature (°C)

For example :

Ambient temperature(T_a)=55°C

Maximum operating temperature(T_u)=200°C

$P_{Ta} = (T_u - T_a) / (T_u - 25) \times P_{max} = 83\% P_{max}$

RoHS Compliant Declaration

We hereby declare that the components delivered to your company are compliant with RoHS directive 2011/65/EU.

Warehouse Storage Conditions of Products

(I) Storage Conditions :

- 1.Storage Temperature : -10°C ~+40°C
- 2.Relative Humidity : $\leq 75\%RH$
- 3.Keep away from corrosive atmosphere and sunlight.

(II) Period of Storage : 1 year

Safety Approvals (Certified Model/Type : DHT-303)



* UL 1434 / cUL recognized (File # E138827)

Certificates

- (1) TS 16949 certificate
- (2) ISO 9001 certificate

Test Report

- (1) RoHS test report



R - T Table

Part No. : DHT0B303J3952SY

R25=30KOhm ±5%

B25/50 = 3950 K ± 2%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (°C)		Resistance Tol. (%)	
-40	1121.54	995.871	882.074	-1.88	1.90	12.6%	-11.4%
-39	1052.86	936.046	830.114	-1.95	1.92	12.5%	-11.3%
-38	989.596	880.872	782.133	-1.97	1.91	12.3%	-11.2%
-37	930.268	829.067	737.027	-1.95	1.88	12.2%	-11.1%
-36	874.153	780.007	694.261	-1.92	1.84	12.1%	-11.0%
-35	820.943	733.431	653.609	-1.88	1.81	11.9%	-10.9%
-34	770.538	689.255	615.004	-1.84	1.78	11.8%	-10.8%
-33	722.916	647.465	578.440	-1.81	1.75	11.7%	-10.7%
-32	678.069	608.062	543.920	-1.78	1.73	11.5%	-10.5%
-31	635.969	571.026	511.433	-1.75	1.72	11.4%	-10.4%
-30	596.556	536.310	480.943	-1.74	1.71	11.2%	-10.3%
-29	559.739	503.840	452.390	-1.72	1.70	11.1%	-10.2%
-28	525.400	473.518	425.693	-1.71	1.69	11.0%	-10.1%
-27	493.403	445.229	400.754	-1.70	1.69	10.8%	-10.0%
-26	463.600	418.847	377.468	-1.70	1.68	10.7%	-9.9%
-25	435.839	394.243	355.725	-1.69	1.68	10.6%	-9.8%
-24	409.971	371.289	335.416	-1.69	1.67	10.4%	-9.7%
-23	385.851	349.861	316.434	-1.68	1.67	10.3%	-9.6%
-22	363.342	329.839	298.677	-1.67	1.66	10.2%	-9.4%
-21	342.316	311.115	282.052	-1.67	1.66	10.0%	-9.3%
-20	322.655	293.587	266.470	-1.66	1.65	9.9%	-9.2%
-19	304.254	277.163	251.853	-1.65	1.64	9.8%	-9.1%
-18	287.015	261.758	238.127	-1.64	1.63	9.6%	-9.0%
-17	270.851	247.297	225.227	-1.63	1.62	9.5%	-8.9%
-16	255.683	233.712	213.095	-1.62	1.61	9.4%	-8.8%
-15	241.438	220.940	201.676	-1.60	1.60	9.3%	-8.7%
-14	228.054	208.926	190.923	-1.59	1.59	9.2%	-8.6%
-13	215.473	197.619	180.792	-1.58	1.58	9.0%	-8.5%
-12	203.640	186.974	171.242	-1.57	1.57	8.9%	-8.4%
-11	192.509	176.948	162.239	-1.55	1.56	8.8%	-8.3%
-10	182.034	167.504	153.749	-1.54	1.55	8.7%	-8.2%
-9	172.176	158.606	145.740	-1.52	1.53	8.6%	-8.1%
-8	162.896	150.220	138.185	-1.51	1.52	8.4%	-8.0%
-7	154.159	142.317	131.057	-1.50	1.51	8.3%	-7.9%
-6	145.934	134.868	124.331	-1.49	1.50	8.2%	-7.8%
-5	138.188	127.847	117.984	-1.47	1.49	8.1%	-7.7%
-4	130.894	121.227	111.994	-1.46	1.48	8.0%	-7.6%
-3	124.024	114.987	106.341	-1.45	1.47	7.9%	-7.5%
-2	117.554	109.102	101.005	-1.44	1.46	7.7%	-7.4%
-1	111.458	103.553	95.9677	-1.42	1.45	7.6%	-7.3%



R - T Table

Part No. : DHT0B303J3952SY

R25=30KOhm ±5%

B25/50 = 3950 K ± 2%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (°C)		Resistance Tol. (%)	
0	105.715	98.3190	91.2118	-1.41	1.44	7.5%	-7.2%
1	100.303	93.3818	86.7208	-1.40	1.43	7.4%	-7.1%
2	95.2021	88.7235	82.4791	-1.39	1.42	7.3%	-7.0%
3	90.3930	84.3274	78.4721	-1.38	1.41	7.2%	-6.9%
4	85.8580	80.1776	74.6858	-1.37	1.40	7.1%	-6.8%
5	81.5803	76.2592	71.1071	-1.36	1.39	7.0%	-6.8%
6	77.5439	72.5583	67.7235	-1.35	1.38	6.9%	-6.7%
7	73.7341	69.0616	64.5235	-1.34	1.37	6.8%	-6.6%
8	70.1368	65.7567	61.4961	-1.33	1.36	6.7%	-6.5%
9	66.7388	62.6319	58.6308	-1.31	1.35	6.6%	-6.4%
10	63.5280	59.6763	55.9181	-1.30	1.34	6.5%	-6.3%
11	60.4927	56.8797	53.3487	-1.29	1.33	6.4%	-6.2%
12	57.6222	54.2323	50.9142	-1.28	1.32	6.3%	-6.1%
13	54.9065	51.7252	48.6065	-1.27	1.31	6.2%	-6.0%
14	52.3360	49.3500	46.4181	-1.26	1.30	6.1%	-5.9%
15	49.9019	47.0988	44.3421	-1.25	1.29	6.0%	-5.9%
16	47.5961	44.9642	42.3717	-1.23	1.28	5.9%	-5.8%
17	45.4108	42.9393	40.5008	-1.22	1.27	5.8%	-5.7%
18	43.3389	41.0177	38.7238	-1.21	1.26	5.7%	-5.6%
19	41.3737	39.1934	37.0352	-1.20	1.25	5.6%	-5.5%
20	39.5089	37.4607	35.4300	-1.18	1.23	5.5%	-5.4%
21	37.7386	35.8144	33.9034	-1.17	1.22	5.4%	-5.3%
22	36.0576	34.2497	32.4511	-1.16	1.21	5.3%	-5.3%
23	34.4606	32.7618	31.0690	-1.14	1.20	5.2%	-5.2%
24	32.9429	31.3466	29.7531	-1.13	1.18	5.1%	-5.1%
25	31.5000	30.0000	28.5000	-1.11	1.17	5.0%	-5.0%
26	30.1805	28.7183	27.2585	-1.14	1.20	5.1%	-5.1%
27	28.9231	27.4979	26.0775	-1.17	1.22	5.2%	-5.2%
28	27.7245	26.3356	24.9537	-1.19	1.25	5.3%	-5.2%
29	26.5815	25.2282	23.8839	-1.22	1.27	5.4%	-5.3%
30	25.4914	24.1729	22.8653	-1.25	1.30	5.5%	-5.4%
31	24.4514	23.1670	21.8952	-1.28	1.33	5.5%	-5.5%
32	23.4589	22.2079	20.9710	-1.30	1.35	5.6%	-5.6%
33	22.5116	21.2932	20.0903	-1.33	1.38	5.7%	-5.6%
34	21.6072	20.4206	19.2509	-1.36	1.40	5.8%	-5.7%
35	20.7435	19.5880	18.4506	-1.39	1.43	5.9%	-5.8%
36	19.9185	18.7934	17.6875	-1.42	1.46	6.0%	-5.9%
37	19.1304	18.0349	16.9597	-1.44	1.48	6.1%	-6.0%
38	18.3773	17.3108	16.2654	-1.47	1.51	6.2%	-6.0%
39	17.6576	16.6192	15.6029	-1.50	1.54	6.2%	-6.1%



R - T Table

Part No. : DHT0B303J3952SY

R25=30KOhm ±5%

B25/50 = 3950 K ± 2%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (°C)		Resistance Tol. (%)	
40	16.9696	15.9588	14.9706	-1.53	1.57	6.3%	-6.2%
41	16.3118	15.3278	14.3671	-1.56	1.59	6.4%	-6.3%
42	15.6828	14.7249	13.7910	-1.59	1.62	6.5%	-6.3%
43	15.0812	14.1488	13.2408	-1.62	1.65	6.6%	-6.4%
44	14.5057	13.5981	12.7153	-1.65	1.68	6.7%	-6.5%
45	13.9552	13.0716	12.2134	-1.68	1.70	6.8%	-6.6%
46	13.4283	12.5683	11.7339	-1.71	1.73	6.8%	-6.6%
47	12.9241	12.0869	11.2757	-1.74	1.76	6.9%	-6.7%
48	12.4414	11.6265	10.8377	-1.77	1.79	7.0%	-6.8%
49	11.9793	11.1860	10.4191	-1.80	1.82	7.1%	-6.9%
50	11.5369	10.7645	10.0188	-1.83	1.85	7.2%	-6.9%
51	11.1131	10.3612	9.63609	-1.86	1.88	7.3%	-7.0%
52	10.7072	9.97519	9.27002	-1.90	1.91	7.3%	-7.1%
53	10.3183	9.60563	8.91985	-1.93	1.94	7.4%	-7.1%
54	9.94562	9.25177	8.58481	-1.96	1.97	7.5%	-7.2%
55	9.58848	8.91289	8.26418	-1.99	2.00	7.6%	-7.3%
56	9.24613	8.58829	7.95730	-2.03	2.03	7.7%	-7.3%
57	8.91791	8.27731	7.66352	-2.06	2.06	7.7%	-7.4%
58	8.60317	7.97932	7.38221	-2.09	2.09	7.8%	-7.5%
59	8.30130	7.69373	7.11281	-2.13	2.12	7.9%	-7.6%
60	8.01172	7.41997	6.85474	-2.16	2.15	8.0%	-7.6%
61	7.73387	7.15748	6.60749	-2.20	2.18	8.1%	-7.7%
62	7.46722	6.90576	6.37055	-2.23	2.22	8.1%	-7.8%
63	7.21128	6.66432	6.14345	-2.27	2.25	8.2%	-7.8%
64	6.96556	6.43268	5.92572	-2.30	2.28	8.3%	-7.9%
65	6.72961	6.21041	5.71694	-2.34	2.31	8.4%	-7.9%
66	6.50298	5.99708	5.51670	-2.37	2.35	8.4%	-8.0%
67	6.28527	5.79228	5.32461	-2.41	2.38	8.5%	-8.1%
68	6.07608	5.59563	5.14028	-2.44	2.41	8.6%	-8.1%
69	5.87503	5.40676	4.96338	-2.48	2.44	8.7%	-8.2%
70	5.68177	5.22533	4.79355	-2.52	2.48	8.7%	-8.3%
71	5.49594	5.05101	4.63049	-2.55	2.51	8.8%	-8.3%
72	5.31724	4.88348	4.47388	-2.59	2.54	8.9%	-8.4%
73	5.14534	4.72243	4.32345	-2.63	2.58	9.0%	-8.4%
74	4.97995	4.56759	4.17890	-2.66	2.61	9.0%	-8.5%
75	4.82079	4.41868	4.03998	-2.70	2.64	9.1%	-8.6%
76	4.66759	4.27544	3.90644	-2.74	2.68	9.2%	-8.6%
77	4.52009	4.13762	3.77804	-2.78	2.71	9.2%	-8.7%
78	4.37806	4.00499	3.65456	-2.81	2.74	9.3%	-8.7%
79	4.24125	3.87733	3.53577	-2.85	2.78	9.4%	-8.8%

R - T Table

Part No. : DHT0B303J3952SY

R25=30KOhm ±5%

B25/50 = 3950 K ± 2%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol. (°C)		Resistance Tol. (%)	
80	4.10945	3.75442	3.42148	-2.89	2.81	9.5%	-8.9%
81	3.98244	3.63605	3.31149	-2.93	2.85	9.5%	-8.9%
82	3.86003	3.52204	3.20562	-2.96	2.88	9.6%	-9.0%
83	3.74202	3.41220	3.10368	-3.00	2.91	9.7%	-9.0%
84	3.62822	3.30635	3.00551	-3.04	2.95	9.7%	-9.1%
85	3.51848	3.20433	2.91094	-3.08	2.98	9.8%	-9.2%
86	3.41261	3.10598	2.81984	-3.12	3.02	9.9%	-9.2%
87	3.31046	3.01114	2.73204	-3.16	3.05	9.9%	-9.3%
88	3.21188	2.91968	2.64742	-3.19	3.09	10.0%	-9.3%
89	3.11673	2.83144	2.56583	-3.23	3.12	10.1%	-9.4%
90	3.02486	2.74630	2.48717	-3.27	3.15	10.1%	-9.4%
91	2.93615	2.66414	2.41129	-3.31	3.19	10.2%	-9.5%
92	2.85047	2.58484	2.33810	-3.35	3.22	10.3%	-9.5%
93	2.76770	2.50827	2.26748	-3.39	3.26	10.3%	-9.6%
94	2.68772	2.43433	2.19932	-3.43	3.29	10.4%	-9.7%
95	2.61043	2.36292	2.13354	-3.47	3.33	10.5%	-9.7%
96	2.53573	2.29394	2.07002	-3.51	3.36	10.5%	-9.8%
97	2.46350	2.22729	2.00869	-3.54	3.39	10.6%	-9.8%
98	2.39367	2.16288	1.94946	-3.58	3.43	10.7%	-9.9%
99	2.32613	2.10063	1.89225	-3.62	3.46	10.7%	-9.9%
100	2.26081	2.04045	1.83697	-3.66	3.50	10.8%	-10.0%
101	2.19761	1.98226	1.78355	-3.70	3.53	10.9%	-10.0%
102	2.13646	1.92600	1.73193	-3.74	3.57	10.9%	-10.1%
103	2.07728	1.87157	1.68202	-3.78	3.60	11.0%	-10.1%
104	2.01999	1.81892	1.63377	-3.82	3.63	11.1%	-10.2%
105	1.96454	1.76799	1.58712	-3.86	3.67	11.1%	-10.2%
106	1.91085	1.71870	1.54200	-3.90	3.70	11.2%	-10.3%
107	1.85886	1.67099	1.49836	-3.94	3.74	11.2%	-10.3%
108	1.80851	1.62482	1.45613	-3.98	3.77	11.3%	-10.4%
109	1.75973	1.58011	1.41528	-4.02	3.81	11.4%	-10.4%
110	1.71248	1.53683	1.37575	-4.06	3.84	11.4%	-10.5%
111	1.66669	1.49491	1.33749	-4.10	3.88	11.5%	-10.5%
112	1.62232	1.45432	1.30045	-4.14	3.91	11.6%	-10.6%
113	1.57932	1.41499	1.26459	-4.18	3.95	11.6%	-10.6%
114	1.53764	1.37690	1.22987	-4.22	3.98	11.7%	-10.7%
115	1.49723	1.33999	1.19625	-4.26	4.02	11.7%	-10.7%
116	1.45806	1.30422	1.16369	-4.30	4.05	11.8%	-10.8%
117	1.42007	1.26955	1.13215	-4.34	4.09	11.9%	-10.8%
118	1.38322	1.23595	1.10160	-4.38	4.12	11.9%	-10.9%
119	1.34749	1.20338	1.07199	-4.42	4.16	12.0%	-10.9%



R - T Table

Part No. : DHT0B303J3952SY

R25=30KOhm ±5%

B25/50 = 3950 K ± 2%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol.		Resistance Tol.	
				(°C)		(%)	
120	1.31283	1.17180	1.04331	-4.47	4.20	12.0%	-11.0%
121	1.27920	1.14118	1.01551	-4.51	4.23	12.1%	-11.0%
122	1.24657	1.11149	0.98856	-4.55	4.27	12.2%	-11.1%
123	1.21491	1.08269	0.96244	-4.59	4.30	12.2%	-11.1%
124	1.18419	1.05476	0.93712	-4.63	4.34	12.3%	-11.2%
125	1.15437	1.02766	0.91257	-4.68	4.38	12.3%	-11.2%
126	1.12542	1.00137	0.88877	-4.72	4.41	12.4%	-11.2%
127	1.09732	0.97587	0.86569	-4.76	4.45	12.4%	-11.3%
128	1.07004	0.95112	0.84330	-4.81	4.49	12.5%	-11.3%
129	1.04355	0.92710	0.82158	-4.85	4.53	12.6%	-11.4%
130	1.01783	0.90379	0.80051	-4.89	4.56	12.6%	-11.4%
131	0.99285	0.88116	0.78007	-4.94	4.60	12.7%	-11.5%
132	0.96859	0.85919	0.76024	-4.98	4.64	12.7%	-11.5%
133	0.94502	0.83786	0.74100	-5.02	4.68	12.8%	-11.6%
134	0.92212	0.81715	0.72232	-5.07	4.72	12.8%	-11.6%
135	0.89988	0.79705	0.70420	-5.11	4.75	12.9%	-11.6%
136	0.87827	0.77752	0.68660	-5.16	4.79	13.0%	-11.7%
137	0.85727	0.75855	0.66952	-5.20	4.83	13.0%	-11.7%
138	0.83686	0.74013	0.65294	-5.25	4.87	13.1%	-11.8%
139	0.81702	0.72223	0.63684	-5.30	4.91	13.1%	-11.8%
140	0.79774	0.70484	0.62121	-5.34	4.95	13.2%	-11.9%
141	0.77900	0.68795	0.60602	-5.39	4.99	13.2%	-11.9%
142	0.76078	0.67153	0.59128	-5.44	5.03	13.3%	-12.0%
143	0.74306	0.65558	0.57695	-5.48	5.07	13.3%	-12.0%
144	0.72584	0.64008	0.56304	-5.53	5.11	13.4%	-12.0%
145	0.70909	0.62501	0.54952	-5.58	5.15	13.5%	-12.1%
146	0.69279	0.61036	0.53639	-5.63	5.19	13.5%	-12.1%
147	0.67695	0.59612	0.52362	-5.68	5.24	13.6%	-12.2%
148	0.66154	0.58227	0.51122	-5.72	5.28	13.6%	-12.2%
149	0.64654	0.56881	0.49917	-5.77	5.32	13.7%	-12.2%
150	0.63196	0.55571	0.48745	-5.82	5.36	13.7%	-12.3%
151	0.61776	0.54298	0.47606	-5.87	5.40	13.8%	-12.3%
152	0.60395	0.53060	0.46499	-5.92	5.45	13.8%	-12.4%
153	0.59051	0.51855	0.45422	-5.97	5.49	13.9%	-12.4%
154	0.57743	0.50683	0.44375	-6.02	5.53	13.9%	-12.4%
155	0.56470	0.49543	0.43357	-6.08	5.58	14.0%	-12.5%
156	0.55230	0.48434	0.42367	-6.13	5.62	14.0%	-12.5%
157	0.54023	0.47354	0.41404	-6.18	5.66	14.1%	-12.6%
158	0.52849	0.46303	0.40468	-6.23	5.71	14.1%	-12.6%
159	0.51705	0.45281	0.39556	-6.28	5.75	14.2%	-12.6%

R - T Table

Part No. : DHT0B303J3952SY

R25=30KOhm ±5%

B25/50 = 3950 K ± 2%

Temperature (°C)	Rmax. (KΩ)	Rnor. (KΩ)	Rmin. (KΩ)	Temperature Tol.		Resistance Tol.	
				(°C)		(%)	
160	0.50591	0.44286	0.38670	-6.33	5.80	14.2%	-12.7%
161	0.49506	0.43317	0.37807	-6.39	5.84	14.3%	-12.7%
162	0.48449	0.42373	0.36967	-6.44	5.89	14.3%	-12.8%
163	0.47420	0.41455	0.36150	-6.49	5.93	14.4%	-12.8%
164	0.46417	0.40561	0.35355	-6.55	5.98	14.4%	-12.8%
165	0.45440	0.39690	0.34581	-6.60	6.02	14.5%	-12.9%
166	0.44488	0.38841	0.33827	-6.66	6.07	14.5%	-12.9%
167	0.43560	0.38015	0.33093	-6.71	6.11	14.6%	-12.9%
168	0.42656	0.37210	0.32378	-6.77	6.16	14.6%	-13.0%
169	0.41775	0.36426	0.31682	-6.82	6.21	14.7%	-13.0%
170	0.40916	0.35662	0.31005	-6.88	6.25	14.7%	-13.1%
171	0.40078	0.34917	0.30344	-6.93	6.30	14.8%	-13.1%
172	0.39262	0.34191	0.29701	-6.99	6.35	14.8%	-13.1%
173	0.38466	0.33484	0.29075	-7.04	6.40	14.9%	-13.2%
174	0.37689	0.32795	0.28464	-7.10	6.44	14.9%	-13.2%
175	0.36932	0.32122	0.27869	-7.16	6.49	15.0%	-13.2%
176	0.36194	0.31467	0.27289	-7.21	6.54	15.0%	-13.3%
177	0.35473	0.30828	0.26724	-7.27	6.59	15.1%	-13.3%
178	0.34770	0.30205	0.26173	-7.33	6.63	15.1%	-13.3%
179	0.34085	0.29597	0.25636	-7.38	6.68	15.2%	-13.4%
180	0.33416	0.29005	0.25113	-7.44	6.73	15.2%	-13.4%
181	0.32763	0.28426	0.24602	-7.50	6.78	15.3%	-13.5%
182	0.32125	0.27862	0.24104	-7.56	6.83	15.3%	-13.5%
183	0.31503	0.27312	0.23619	-7.61	6.88	15.3%	-13.5%
184	0.30896	0.26775	0.23145	-7.67	6.92	15.4%	-13.6%
185	0.30303	0.26250	0.22683	-7.73	6.97	15.4%	-13.6%
186	0.29724	0.25739	0.22232	-7.79	7.02	15.5%	-13.6%
187	0.29159	0.25239	0.21792	-7.85	7.07	15.5%	-13.7%
188	0.28607	0.24752	0.21363	-7.91	7.12	15.6%	-13.7%
189	0.28068	0.24276	0.20944	-7.97	7.17	15.6%	-13.7%
190	0.27541	0.23811	0.20535	-8.02	7.22	15.7%	-13.8%
191	0.27026	0.23357	0.20136	-8.08	7.27	15.7%	-13.8%
192	0.26524	0.22914	0.19746	-8.14	7.32	15.8%	-13.8%
193	0.26032	0.22481	0.19366	-8.20	7.37	15.8%	-13.9%
194	0.25552	0.22058	0.18994	-8.26	7.41	15.8%	-13.9%
195	0.25083	0.21645	0.18631	-8.32	7.46	15.9%	-13.9%
196	0.24624	0.21241	0.18277	-8.38	7.51	15.9%	-14.0%
197	0.24176	0.20847	0.17931	-8.44	7.56	16.0%	-14.0%
198	0.23738	0.20461	0.17593	-8.50	7.61	16.0%	-14.0%
199	0.23309	0.20084	0.17262	-8.56	7.66	16.1%	-14.1%

